

AUTOMOTIVE MECHANIC STUDY GUIDE

A written examination for the class of **AUTOMOTIVE MECHANIC** to be administered in **LAKE CHARLES** on **JULY 22, 2009**, will consist of approximately 100 multiple-choice questions. The examination will test your knowledge in the following subject areas:

| SUBJECT AREA/KNOWLEDGE | APPROXIMATE % OF EXAM |
|---|----------------------------------|
| ENGINE MECHANICS Knowledge of gasoline and diesel engines sufficient to perform diagnosis of mechanical problems and to perform maintenance and repairs. | 9.0% |
| FUEL SYSTEMS Knowledge of fuel systems sufficient to perform maintenance, repairs or adjustments to the systems when needed. | 9.0% |
| ELECTRICAL SYSTEMS Knowledge of electrical systems sufficient to perform maintenance, repairs, or adjust the systems when needed. | 10.0 |
| COOLING AND LUBRICATING SYSTEMS Knowledge of cooling and lubricating systems sufficient to perform maintenance and repairs when needed. | 18.0 |
| DRIVE TRAIN SYSTEMS Knowledge of drive train systems sufficient to perform maintenance, repairs or adjustments to the systems when needed | 9.0% |
| SUSPENSION, STEERING AND BRAKE SYSTEMS Knowledge of suspension, steering and brake systems sufficient to perform maintenance, make repairs, or adjust the systems when needed. | 18.0% |
| GENERAL AUTO MAINTENANCE REPAIRS, INSTRUMENTS & TOOLS Knowledge of general automotive and portable equipment sufficient to troubleshoot, diagnose, and repair malfunctioning components, including the use and care of instruments and tools. | 18.0% |

| SUBJECT AREA/KNOWLEDGE | APPROXIMATE % OF EXAM |
|---|----------------------------------|
| MANAGING EQUIPMENT/ PROPERTY/ SUPPLIES Knowledge of the general maintenance of equipment, property, and supplies, including testing or verifying that equipment is tested and meets applicable standards. | 9.0 |

REFERENCE LIST

While the entire list of reference material will be useful to you in your preparation for the upcoming examination, the **majority** of test questions are sourced from those references listed under the Primary List.

PRIMARY REFERENCE MATERIAL

MODERN AUTOMOTIVE TECHNOLOGY, James E. Duffy, The Goodheart-Willcox Co., Inc., 2004.

The local civil service board should make this study guide available to all applicants in whatever manner the board deems appropriate.

While there are no provisions requiring this office to provide study guides for any competitive or promotional examinations, such material will be provided as a service to assist applicants in preparing for an examination. The State Examiner's office has no control whatsoever over the local availability of reference material(mentioned in the study guides), nor do we feel constrained to limit examination questions to only that material which is available locally. Examination content, weighting of subject areas, and length of examination, may vary with each administration of an examination to reflect any updated job analysis information. Percentages and numerical estimations are provided as approximations.